## Sequence Listing

<110			JUN STE	EVEN	J.									
<120	> Hi	gh (	Conce	entra	tion	ı Ant	ibod	ly ar	nd Pi	otei	in Fo	ormu]	atio	ons
<130	> P2	026F	R1-US	3							:			
<141	> he > US	rewi	460,	659										
<160	> 6		•						•					
<210 <211 <212 <213	> 21 > PR	T:	.cial	seq	uenc	е								
<220 <223		5, 1	ight	cha	in						•			
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Gly	Asp	Arg	Val	Thr 20	Ile	Thr	Cys	Arg	Ala 25		Gln	Ser	Val	Asp 30
Tyr	Asp	Gly	Asp	Ser 35	Tyr	Met	Asn	Trp	Туr . 40	Gln	Gln	Lys	Pro	Gly 45
Lys	Ala	Pro	Lys	Leu 50	Leu	Ile	Tyr	Ala	Ala 55	Ser	Tyr	Leu	Glu	Ser 60
Gly	Val	Pro	Ser	Arg 65	Phe	Ser	Gly	Ser	Gly 70	Ser	Gly	Thr	Asp	Phe 75
Thr	Leu	Thr	Ile	Ser 80	Ser	Leu	Gln	Pro	Glu 85	Asp	Phe	Ala	Thr	Tyr 90
Tyr	Cys	Gln	Gln	Ser 95	His	Glu	Asp	Pro	Tyr 100	Thr	Phe	Gly	Gln	Gly 105
Thr	Lys	Val	Glu	Ile 110	Lys	Arg	Thr	Val	Ala 115	Ala	Pro	Ser	Val	Phe 120
Ile	Phe	Pro	Pro	Ser 125	Asp	Glu	Ģlņ	Leu	Lys 130	Ser	Gly	Thr	Ala	Ser 135
Val	Val	Cýs	Leu	Leu 140	Asn	Asn	Phe	Tyr	Pro 145	Arg	Glu	Ala	Lys	Val 150
Gln	Trp	Lys	Val	Asp 155	Asn	Ala	Leu	Gln	Ser 160		Asn	Ser	Gln	Glu 165

Ser	Val	Thr	Glu	Gln 170	Asp	Ser	Lys	Asp	Ser 175		Tyr	Ser	Leu	Ser 180
Ser	Thr	Leu	Thr	Leu 185	Ser	Lys	Ala	Asp	Tyr 190	Glu	Lys	His	Lys	Val 195
Tyr	Ala	Cys	Glu	Val 200	Thr	His	Gln	Gly	Leu 205	Ser	Ser	Pro	Val	Thr 210
Lys	Ser	Phe	Asn	Arg 215	Gly	Glu	Cys		•					
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Gly	Asp	Arg	Val	Thr 20	Ile	Thr	Cys	Arg	Ala 25	Ser	Lys	Pro	Val	Asp 30
Gly	Glu	.Gly	Asp	Ser 35	Tyr	Leu	Asn	Trp	Tyr 40	Gln	Gln	Lys	Pro	Gly 45
Lys	Ala	Pro	Lys	Leu 50	Leu	Ile	Tyr	Ala	Ala 55	Ser	Tyr	Leu	Glu	Ser 60
Gly	Val	Pro	Ser	Arg 65	Phe	Ser	Gly	Ser	Gly 70	Ser	Gly	Thr	Asp	Phe 75
Thr	Leu	Thr	Ile	Ser 80	Ser	Leu	Gln	Pro	Glu 85	Asp	Phe	Ala	Thr	Tyr 90
Tyr	Cys	Gln	Gln	Ser 95	His	Glu	Asp	Pro	Tyr 100	Thr	Phe	Gly	Gln	Gly 105
Thr	Lys	Val	Glu	Ile 110	Lys	Arg	Thr	Val	Ala 115	Ala	Pro	Ser	Val	Phe 120
Ile	Phe	Pro	Pro	Ser 125	Asp	Glu	Gln	Leu	Lys 130	Ser	Gly	Thr	Ala	Ser 135
Val	Val	Cys	Leu	Leu 140	Asn	Asn	Phe	Tyr	Pro 145	Arg	Glu	Ala	Lys	Val 150
Gln	Trp	Lys	Val	Asp 155	Asņ	Ala	Leu	Gln	Ser 160	Gly	Asn	Ser	Gln	Glu 165
Ser	Val	Thr	Glu	Gln 170	Asp	Ser	Lys	Asp	Ser 175	Thr	Tyr	Ser	Leu	Ser 180
Ser	Thr	Leu	Thr.	Leu 185	Ser	Lys	Ala	Asp	Tyr 190	Glu	Lys	His	Lys	Val 195

Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr 200 205 210

Lys Ser Phe Asn Arg Gly Glu Cys 215

<210 > 3
<211 > 214
<212 > PRT
<213 > Artificial sequence
<220 > <223 > Hu-901, light chain
<400 > 3

Asp Ile Leu Leu Thr Gln Ser Pro Gly Thr Leu Ser Leu Ser Pro 1 15

Gly Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser Ile Gly 20 25 30

Asp Ile Leu Leu Thr Gln Ser Pro Gly Thr Leu Ser Leu Ser Pro 15

Gly Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser Ile Gly 25

Thr Asn Ile His Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Arg 45

Leu Leu Ile Lys Tyr Ala Ser Glu Ser Ile Ser Gly Ile Pro Ser 55

Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile 65

Ser Arg Leu Glu Pro Glu Asp Phe Ala Met Tyr Tyr Cys Gln Gln 90

Ser Asp Ser Trp Pro Thr Thr Phe Gly Gln Gly Thr Lys Val Glu 105

Ile Lys Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro

Ser Asp Glu Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu
125 130 135

Leu Asn Asn Phe Tyr Pro Arg Glu Ala Lys Val Gln Trp Lys Val

Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln Glu Ser Val Thr Glu 155 160 165

Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser Ser Thr Leu Thr
170 175 180

Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr Ala Cys Glu 185 190 195

Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser Phe Asn 200 205 210

Arg Gly Glu Cys

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<210> 4
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<211> 451

<212> PRT

<213> Artificial sequence

<220>

<223> E25, heavy chain

## <400> 4

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Gly Ser Leu Arg Leu Ser Cys Ala Val Ser Gly Tyr Ser Ile Thr 20 25 30

Ser Gly Tyr Ser Trp Asn Trp Ile Arg Gln Ala Pro Gly Lys Gly
35 40 45

Leu Glu Trp Val Ala Ser Ile Thr Tyr Asp Gly Ser Thr Asn Tyr 50 55 60

Asn Pro Ser Val Lys Gly Arg Ile Thr Ile Ser Arg Asp Asp Ser
65 70 75

Lys Asn Thr Phe Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp 80 85 90

Thr Ala Val Tyr Tyr Cys Ala Arg Gly Ser His Tyr Phe Gly His
95 100 105

Trp His Phe Ala Val Trp Gly Gln Gly Thr Leu Val Thr Val Ser 110 115 120

Ser Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser

Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val 140 145 150

Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly
155 160 165

Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val Leu Gln Ser 170 175 180

Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro Ser Ser 185 190 195

Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys Pro 200 205 210

Ser Asn Thr Lys Val Asp Lys Lys Val Glu Pro Lys Ser Cys Asp

Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly 230 235 240

Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu 245 250 250

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Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val
 Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly
 Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr
                                      295
 Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln
                                      310
 Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys
                 320
 Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly
                 335
 Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu
                                      355
 Glu Met Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly
 Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln
 Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp
                 395
 Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg
                 410
 Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala
 Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly
 Lys
<210> 5
<211> 451
<212> PRT
<213> Artificial sequence
<223> E26, heavy chain
<400> 5
 Glu Val Gln Leu Val Glu Ser Gly Gly Leu Val Gln Pro Gly
 Gly Ser Leu Arg Leu Ser Cys Ala Val Ser Gly Tyr Ser Ile Thr
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Ser Gly Tyr Ser Trp Asn Trp Ile Arg Gln Ala Pro Gly Lys Gly

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	Leu	Glu	Trp	Val	Ala 50	Ser	Ile	Thr	Tyr	Asp 55	Gly	Ser	Thr	Asn	Tyr 60		. •					
	Asn	Pro	Ser	Val	Lys 65	Gly	Arg	Ile	Thr	Ile 70	Ser	Arg	Asp	Asp	Ser 75			•			•	
	Lys	Asn	Thr	Phe	Туг 80	Leu	Gln	Met	Asn	Ser 85	Leu	Arg	Ala	Glu	Asp 90							
٠	Thr	Ala	Val	Tyr	Tyr 95	Cys	Ala	Arg	Gly	Ser 100	His	Tyr	Phe	Gly	His 105							
	Trp	His	Phe	Ala	Val 110	Trp	Gly	Gln	Gly	Thr 115	Leu	Val	Thr	Val	Ser 120			•			•	
	Ser	Ala	Ser	Thr	Lys 125	Glý	Pro	Ser	Val	Phe 130	Pro	Leu	Ala	Pro	Ser 135							
	Ser	Lys	Ser	Thr	Ser 140	Gly	Gly	Thr	Ala	Ala 145	Leu	Gly	Cys	Leu	Val 150							
	Lys	Asp	Tyr	Phe	Pro 155	Glu	Pro	Val	Thr	Val 160	Ser	Trp	Asn	Ser	Gly 165							
	Ala	Leu	Thr	Ser	Gly 170	Val	His	Thr	Phe	Pro 175	Ala	Val	Leu	Gln	Ser 180							
	Ser	Gly	Leu	Tyr	Ser 185	Leu	Ser	Ser	Val	Val 190	Thr	Val	Pro	Ser								
٠.	Ser	Leu	Gly	Thr		Thr	Tyr	Ile	Cys		Val	Asn	His	Lys	Pro .			•	•	•		
	Ser	Asn	Thr	Lys		Asp	Lys	Lys	Val		Pro	Lys	Ser	Cys						-		
	Lys	Thr	His	Thr		Pro	Pro	Cys	Pro		Pro	Glu	Leu	Leu	•							
	Gly	Pro	Ser	Val		Leu	Phe	Pro	Pro		Pro	Lys	Asp	Thr							٠.	
	Met	Ile	Ser	Arg		Pro	Glu	Val	Thr	Cys	Val	Val	Val	Asp	Val							
	Ser	His	Glu	Asp	Pro	Glu	Val	Lys	Phe		Trp	Tyr	Val	Asp		•						
	Val	Glu	Val	His		Ala	Lys	Thr	Lys		Arg	Glu	Gĺu	Gln		٠.						
	Asn	Ser	Thr	Tyr		Val	Val	Ser	Val		Thr	Val	Leu	His								
٠	Asp	Trp	Leu	Asn		Lys	Glu	Tyr	Lys	310 Cys	Lys	Val	Ser	Asn	315 Lys							
	Ala	Leu	Pro	Ala		Ile	Glu	Lys	Thr	325 Ile	Ser	Lys	Ala	Lys	330 Gly							
					335	•				340					345							
-		•						-		-												
•																						
		•																				
															•							

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Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu
 Glu Met Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly
 Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln
 Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp
 Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg
 Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala
 Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly
                                     445
 Lys
<210> 6
<211> 453
<212> PRT
<213> Artificial sequence
<220>
<223> Hu-901, heavy chain
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Ala Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Ser
Met Tyr Trp Leu Glu Trp Val Arg Gln Ala Pro Gly His Gly Leu
 Glu Trp Val Gly Glu Ile Ser Pro Gly Thr Phe Thr Thr Asn Tyr
 Asn Glu Lys Phe Lys Ala Arg Ala Thr Phe Thr Ala Asp Thr Ser
 Thr Asn Thr Ala Tyr Met Glu Leu Ser Ser Leu Arg Ser Glu Asp
                                      85
 Thr Ala Val Tyr Tyr Cys Ala Arg Phe Ser His Phe Ser Gly Ser
 Asn Tyr Asp Tyr Phe Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr
                                     115
                                                         120
 Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala
                 125
                                     130
                                                         135
```

Pro	Ser	Ser	Lys	Ser 140	Thr	Ser	Gly	Gly	Thr 145	Ala	Ala	Leu	Gly	Cys 150	
Leu	Val	Lys	Asp	Tyr 155	Phe	Pro	Glu	Pro	Val 160	Thr	Val	Ser	Tṛp	Asn 165	
Ser	Gly	Ala	Leu	Thr 170	Ser	Gly	Val	His	Thr 175	Phe	Pro	Ala	Val	Leu 180	
Gln	Ser	Ser	Gly	Leu 185	Tyr	Ser	Leu	Ser	Ser 190	Val	Val	Thr	Val	Pro 195	
Ser	Ser	Ser	Leu	Gly 200	Thr	Gl'n	Thr	Tyr	Ile 205	Cys	Asn	Val	Asn	His 210	
Lys	Pro	Ser	Asn	Thr 215	Lys	Val	Asp	Lys	Lys 220	Val	Glu	.Pro	Lys	Ser 225	
Cys	Asp	Lys	Thr	His 230	Thr	Cys	Pro	Pro	Cys 235	Pro	Ala	Pro	Glu	Leu 240	•
Leu	Gly	Gly	Pro	Ser 245	Val	Phe	Leu	Phe	Pro 250	Pro	Lys	Pro	Lys	Asp 255	
Thr	Leu	Met	Ile	Ser 260	Arg	Thr	Pro	Glu	Val 265	Thr	Cys	Val	Val	Val 270	
Asp	Val	Ser	His	Glu 275	Asp	Pro	Glu	Val	Lys 280	Phe	Asn	Trp	Tyr	Val ' 285	
Asp	Gly	Val	Glu	Val 290	His	Asn	Ala	Lys	Thr 295	Lys	Pro	Arg	Glu	Glu 300	
Gln	Tyr	Asn	Ser	Thr 305	Tyr	Arg	Val	Val	Ser 310	Val	Leu	Thr	Val	Leu 315	
His	Gln	Asp	Trp	Leu 320	Asn	Gly	Lys	Glu	Tyr 325	Lys	Cys	Lys	Val	Ser 330	
Asn	Lys	Ala	Leu	Pro 335	Ala	Pro	Ile	Glu	Lys 340	Thr	Ile	Ser	Lys	Ala 345	
Lys	Gly	Gln	Pro	Arg 350	Glu	Pro	Gln	Val	Tyr 355	Thr	Leu	Pro	Pro	Ser 360	• .
Arg	Asp	Glu	Leu	Thr 365	Lys	Asn	Gln	Val	Ser 370	Leu	Thr	Cys	Leu	Val 3 <b>7</b> 5	
Lys	Gly	Phe	Tyr	Pro 380	Ser	Asp	Ile	Āla	Val 385	Glu	Trp	Glu	Ser	Asn 390	
Gly	Gln	Pro	Glu	Asn 395	Asn	Tyr	Lys	Thr	Thr 400	Pro	Pro	Val	Leu	Asp 405	
Ser	Asp	Gly	Ser	Phe 410	Phe	Leu	Tyr	Ser	Lys 415	Leu	Thr	Val	Asp	Lys 420	•
Ser	Arg	Trp	Gln	Gln 425	Gly	Asn	Val	Phe	Ser 430	Cys	Ser	Val	Met	His 435	
									8						
•															

Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser 440 445 450

Pro Gly Lys